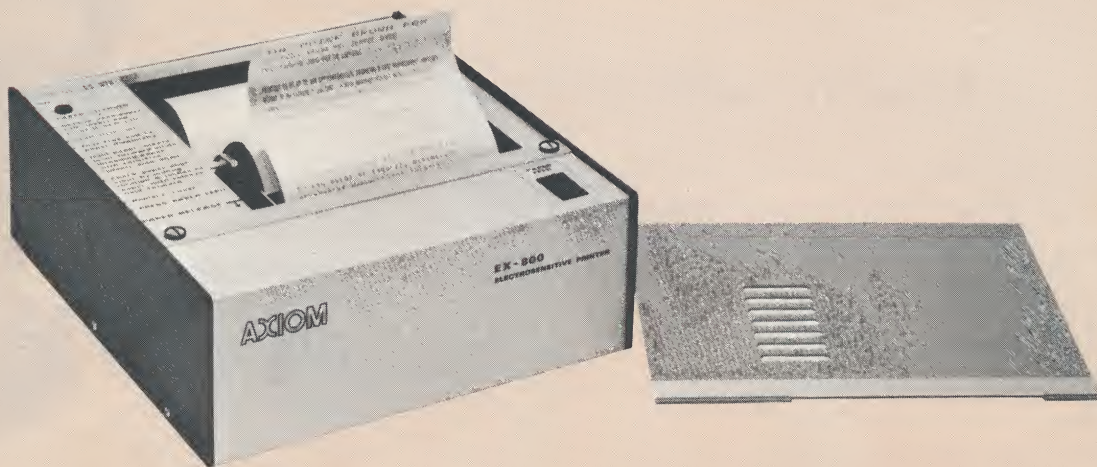


AXIOM EX-800



The complete \$655 line printer.

Ultra compact, 80-column printout, 160 characters per second. The Axiom EX-800 Line Printer sets a new standard for cost-effectiveness. Just check these standard features:

- The EX-800 is a complete stand-alone printer including case, power supply and paper roll holder.
- 96 character ASCII interface and character generator built-in.
- Serial interface (RS 232C or Current Loop) complete with 16 switch selectable baud rates from 50 to 19,200 available for only \$85.00.
- Silent non-impact operation at 120 lines per minute.
- Infra-red low paper detector and bell.
- Three character sizes programmable by software or hardware connections to give 80, 40, or 20 column printing — or any combination of all 3 sizes on a single line.

- Built-in self test makes complete functional check of printer operation in the absence of any input data.

- Multi-line asynchronous input buffer for maximum user flexibility.

You won't find another printer with all these features regardless of cost.

Built-in microprocessor

The heart of the EX-800 is a single printed circuit card containing a custom LSI chip made by Intel to Axiom specifications. This small card controls all printer functions and can easily be removed without soldering.

Low maintenance

The simple non-impact print mechanism has an amazingly high MTBF of 11.6 million lines. Combine this with LSI electronics and you have a package that is almost maintenance free.

The printhead is self-adjusting and there are no inky ribbons to change. All you have to do is change the paper roll as required and inspect the printhead for wear every 1 to 2 million lines of print.

Small and lightweight

The EX-800 is the smallest and lightest 80-column line printer available. It is 9 $\frac{1}{2}$ " wide, 3 $\frac{3}{8}$ " high and 10 $\frac{7}{8}$ " deep, and weighs only 12 pounds, complete with 240 foot paper roll.

Self-test routine

The built-in self-test routine on the EX-800 checks out the entire operation of the printer, including each bit in the RAM buffer, without the need for any input data. Just press a button on the back panel, and a code is printed out which indicates everything is working as it should. A different printed code immediately shows up a fault.

Electrosensitive printing

The electrosensitive printing process is essential to the high performance and low cost of the EX-800. This technique represents the simplest possible method of placing a visible mark on a piece of paper. The printout is formed by passing a high current for a few microseconds from the fine tungsten wires of the printhead to the surface of the paper. Aluminum is removed almost instantaneously, exposing a layer of black ink which is seen as a dot matrix forming the printout.

The permanence of the hardcopy is archival, since once the aluminum coating has been removed there is no way to put it back. The shelf-life of the paper is indefinite and print quality is unaffected by direct sunlight or moisture and does not age. The high contrast makes excellent photocopies. A life size example of the printout from the EX-800 is shown below.

Electrosensitive paper is inexpensive and readily available from many domestic sources.

THIS LIFE-SIZE SAMPLE SHOWS THE 80-COLUMN PRINTOUT FROM AXIOM'S EX-800 PRINTER

There are 3 character sizes (upper and lower case) which can be MIXED.

This can have the same effect as UNDERLINING or changing COLOR.

More information?

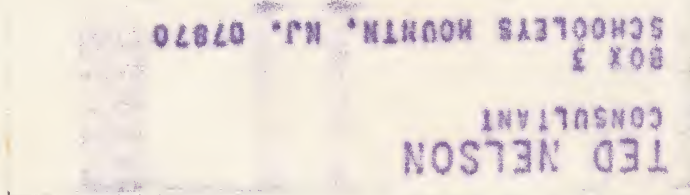
Just fill out and tear off the prepaid card and drop it in a mail box. We'll take care of everything else. P.S. If you're interested in graphics, don't forget to ask for information on the brand new EX-810 Graphics Printer.

The Axiom rep in your area is:

NPM ASSOCIATES, INC.
492 Wagon Trail
Orange, CT 06477
203/878-4066

AXIOM

AXIOM CORPORATION 5932 San Fernando Rd., Glendale, CA 91202 • (213) 245-9244 • TWX 910-497-2283



5932 San Fernando Road
Glendale, CA 91202

AXIOM



Here is the information you requested on the Axiom EX-800 line printer

FEATURES

SELF TEST:

Built-in program tests the correct operation of electronics and mechanism.

BELL:

A buzzer is sounded for approximately one half second when the appropriate input code is received.

LOW PAPER DETECTOR:

End of paper roll is marked with a red stripe. When roll is finished or when no paper is loaded, the buzzer sounds continuously and printing is inhibited.

5 VOLT OUTPUT:

A regulated source of 5 volts, 250 milliamps is available at the input connector for powering external circuitry.

PRINTOUT

CHARACTER FORMAT:

5 x 8 dot matrix

LINE SPACING:

5 lines per inch

PRINTING SPEED:

Continuous — 120 lines per minute (2 lines per second) independent of number of columns printed.

Single Line — Maximum 320 characters per second (at 80 columns) followed by 250 millisecond carriage return.

CHARACTER SET:

Selectable between 96 character ASCII (upper and lower case) or 64 character ASCII (upper case only).

CHARACTER SPACING:

80 columns — 20 characters/inch.
40 columns — 10 characters/inch.
20 columns — 5 characters/inch.

Character size may be selected by removable jump connectors on the printer control card or by software command.

PARALLEL INTERFACE

SIGNAL LEVELS:

All low-power TTL compatible
ASCII 7 bit parallel — TTL positive true.

STROBE:

Selectable polarity. Greater than 50 nsec.

ACKNOWLEDGE:

Selectable polarity. Pulse is extended when input buffer is full.

AVAILABLE CONNECTIONS:

7 data bits, strobe, acknowledge, printer present, +5V @ 250 mA (DB25-P connector).

INPUT BUFFER:

96 character asynchronous ring type. Multiple lines of data, including relevant ASCII control characters, may be stored independent of printing speed.

SERIAL INTERFACE (optional plug-in board)

CONNECTOR TYPE:

DB25-P in standard configuration.

RECEIVE CHANNELS:

Serial 7 bit ASCII plus parity, Data Set Ready (DSR), Line Signal Detector (LSD).

REVERSE CHANNELS:

Receiver Overrun (ROR), Receiver Framing Error (RFE), Receiver Parity Error (RPE), Request To Send (RTS), Data Terminal Ready (DTR).

SIGNAL LEVELS:

RS-232C.
Mark = Binary 1 (-3V to -25V).
Space = Binary 0 (+3V to +25V).

BYTE FORMAT:

Switch selectable. One or two stop bits — parity odd, even or none.

BAUD RATE:

16 switch selectable rates from 50 to 19,200 baud with crystal controlled frequencies.

INPUT BUFFER:

Asynchronous ring type, 160 characters total. Stores relevant ASCII control characters as well as printed characters.

ELECTROSENSITIVE PAPER

TYPE:

Prints without fumes or residue. Readily available from multiple domestic sources. Non-fingerprinting.

WIDTH:

5 inches.

ROLL LENGTH:

Typically 240 feet.

BASE PAPER THICKNESS:

0.002 to 0.003 inches.

PRINTING COLOR:

Black is standard. Red or blue also available.

PHYSICAL

DIMENSIONS:

9 5/8" wide x 10 7/8" deep x 3 3/8" high including 240 foot paper roll and top cover (244mm x 276mm x 98mm).

12 lbs.

WEIGHT:

ELECTRICAL:

105V to 125V AC — 50/60 Hz. 60 VA maximum power. Forced air cooling.

OPERATOR CONTROLS:

On/Off switch, paper feed button, paper release, fuse, self-test button.